LABRIS

Parasites of sheep and beef cattle in Estonia: Preliminary results

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Background

Sample collection within the project „The spread of AMR in Estonia“

(Ministry of Regional Affairs and Agriculture)

The project focused in dairy cows

- how to include other farmed animals?

Most common problem is parasites!

Background

Sheep farms:

Parasites cause problems

Anthelmintics does not work

Beef cattle:

Usually free ranging

Few treatment

Parasitic examination rare

Sampling

Gastrointestinal parasites in sheep and beef cattle farms 2024-2025

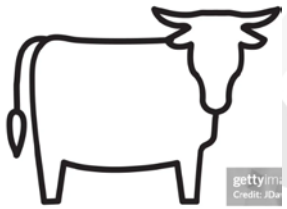
- Is there resistance to the anthelmintics in sheep farms?
- What is the situation for beef cattle farms?

Samples from organic and ordinary/intensive farms

- McMaster fecal egg counting technique

divided in 2 groups:
- albendazole
- ivermectin

McMaster before and 2 weeks after treatment



McMaster+ Baermann method
No individual sampling

Results

Sheep parasites:

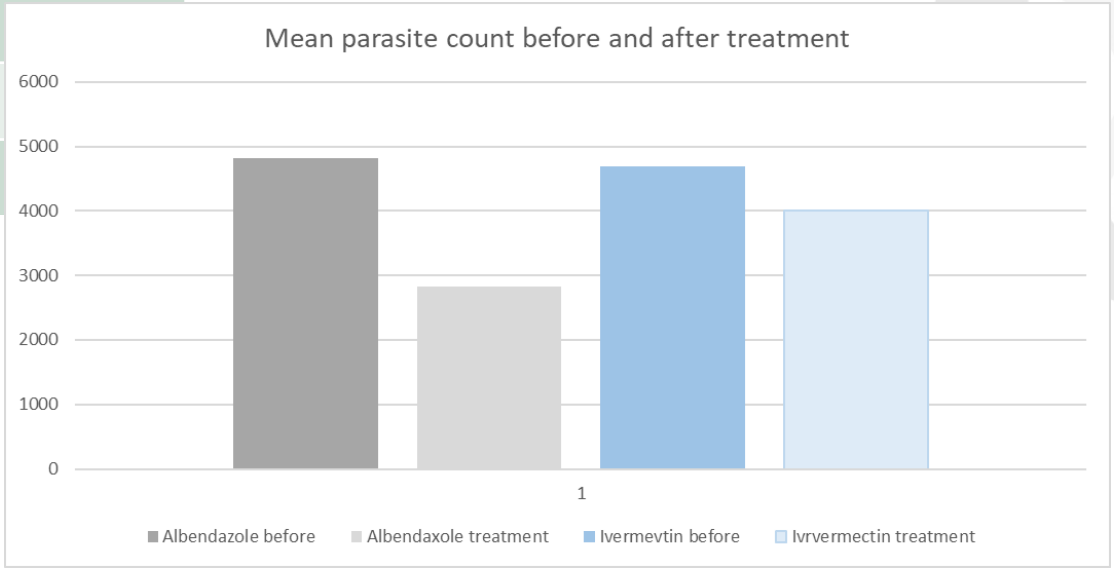
25 farms involved

Parasite taxa	Farms affected
Eimeria	25
Strongylida	25
Nematodirus	10
Trichuris	4
Moniezia	5

Cattle parasites:

26 farms involved

Parasite taxa	Farms affected
Eimeria	10
Strongylida	15
Dictyocaulus	13



Help needed!

extensive number of adult *Lipoptena cervi*

No other parasites in skin, hair

only superficial skin injury with no visual scratches in red area

skin under the red area not thickened and lower layers of the skin not involved

hairless area surrounded by dense sebaceous secrete

Thank you!

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